Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/06/2017 02:32 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123959	-1	1.39	123834	1.40
Blue	F	SSC	125000	124005	-1	2.41	124431	2.21
Blue	E	FITC	21625	21043	-3	2.42	937	9.98
Blue	D	PE	26832	26285	-3	1.90	944	9.50
Blue	B	PerCP-Cy5-5	48027	47199	-2	3.18	1347	16.49
Blue	A	PE-Cy7	40971	40730	-1	4.88	629	34.05
Red	C	APC	49746	49510	-1	2.80	2863	9.49
Red	A	APC-Cy7	53615	52688	-2	2.93	1090	11.30
Violet	B	V450	14488	13680	-6	5.44	654	9.51
Violet	A	V500	55123	53188	-4	5.38	2348	7.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19677	4.11	604	6	N/A	N/A	Pass
Blue	F	SSC	61780	1.51	535	1	N/A	N/A	Pass
Blue	E	FITC	106	38.44	535	-1	0.0222	204	Pass
Blue	D	PE	207	28.15	530	-1	0.1710	240	Pass
Blue	B	PerCP-Cy5-5	213	43.01	627	-2	0.0106	68	Pass
Blue	A	PE-Cy7	69	114.69	678	-3	0.0130	18	Pass
Red	C	APC	334	27.74	592	-2	0.0201	69	Pass
Red	A	APC-Cy7	119	40.95	576	-4	0.0055	1683	Pass
Violet	B	V450	79	40.85	472	1	0.0493	1764	Pass
Violet	A	V500	171	22.27	498	2	0.0148	269	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.85	-31.34	0.81
Blue	20.37	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	16.46	13.27 - 19.91	N/A	N/A	31.54	31.97	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 13755

Fluidics

FACSFlow Pressure: 4.00 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments